

#### **ENTERPRISE SYSTEMS ENGINEERING**



#### MR. EDWARD C. THOMAS

#### DIRECTOR, CECOM SOFTWARE ENGINEERING CENTER

(732) 532-8207

edward.thomas@mail1.monmouth.army.mil

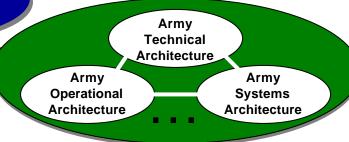
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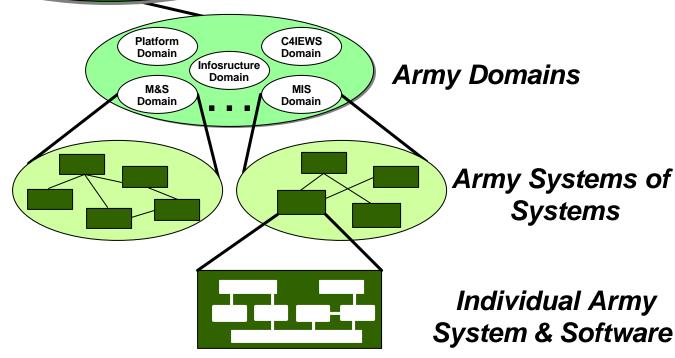
# **ARMY ENTERPRISE CONTEXT**



Joint/DoD Architectures



Army Enterprise





#### **TODAY**



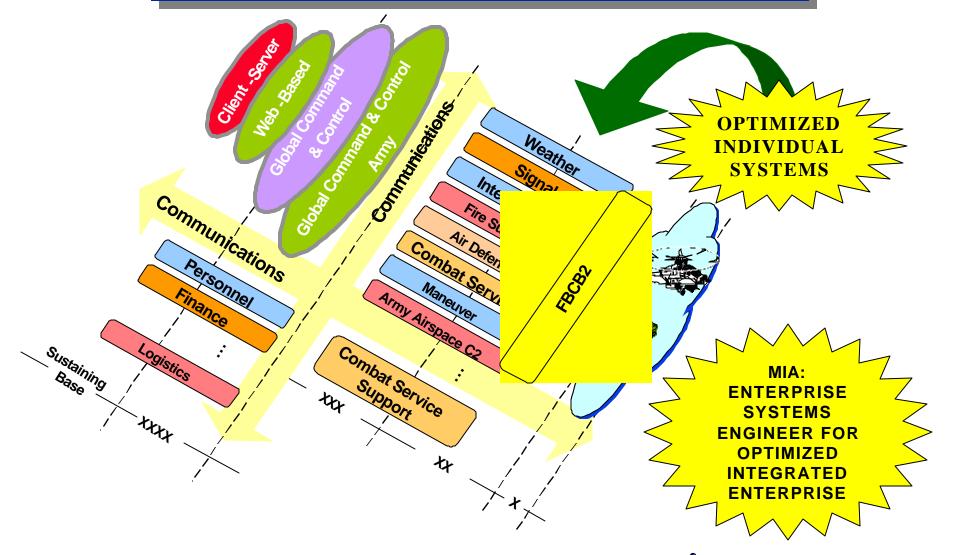
#### CHALLENGES:

- □ INTEGRATING PLAN (for migration & convergence)
- ☐ UP-FRONT ENGINEERING (for enterprise integration)
- MIGRATION/TRANSITION OF TECHNOLOGY (optimally)
- **□** UNIFIED REQUIREMENT
- ☐ FUNDING FOR HORIZONTAL INTEGRATION
- **□** SYNCHRONIZATION
- □ COMPLIANCE (with standards)



# ARMY ENTERPRISE SYSTEMS ENGINEERING Ensures Integrated Enterprise

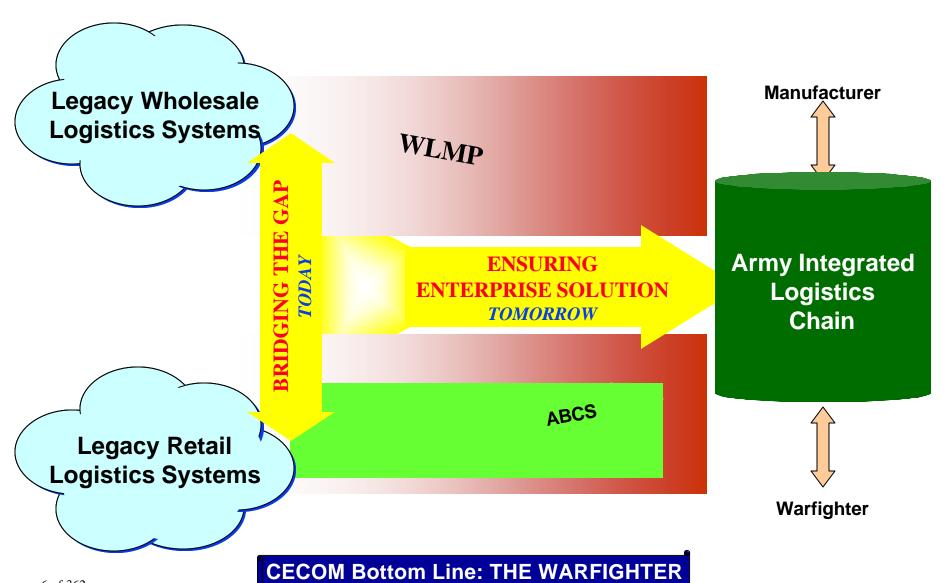






#### **EXAMPLE - LOGISTICS CHALLENGE**



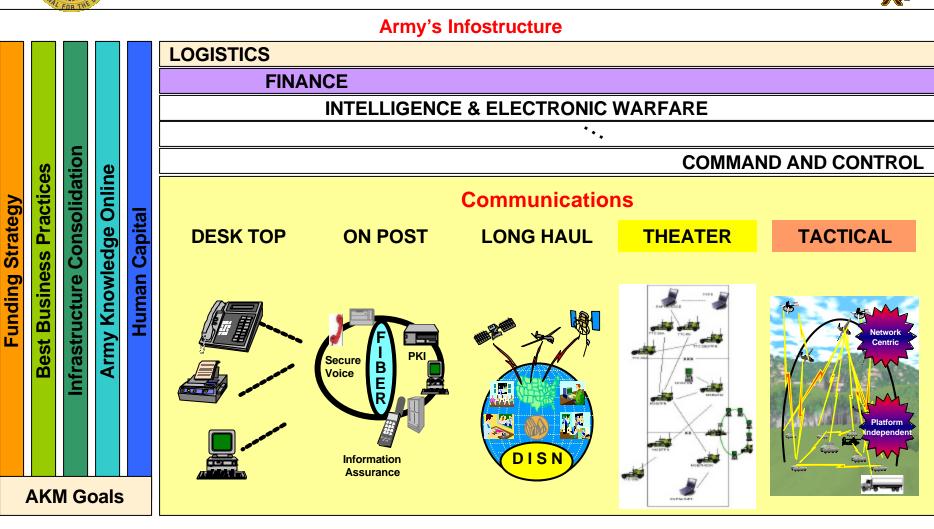




#### **EXAMPLE - AKM CHALLENGE**



**DEVELOP** 



ADAPT

**ADOPT** 



#### **FUTURE DESIRED STATE**



- SEAMLESS VERTICAL & HORIZONTAL C4ISR SYSTEMS INTEGRATION ACROSS THE SPECTRUM OF OPERATIONS TO MEET THE NEEDS OF THE OBJECTIVE FORCE
  - ☐ FROM THE BATTLESPACE TO THE SUSTAINING BASE (Tactical, Strategic, Installation)
  - ☐ TODAY AND INTO THE FUTURE (Legacy, Interim, Objective)
  - ☐ SPANNING FUNCTIONAL DOMAINS
    (Fire Support, Intel, Combat Service Support, ....)



#### **FUTURE DESIRED STATE**







#### WHERE WE ARE HEADED



- EXPAND ON-GOING ARMY ENTERPRISE SYSTEM ENGINEERING ACTIVITIES
  - □ DEVELOP & OVERSEE OVERARCHING ARMY ENTERPRISE SYSTEM ENGINEERING MASTER PLAN
    - ARMY-WIDE ENTERPRISE ARCHITECTURE SUPPORT
    - RISK MITIGATION THROUGH ARMY-WIDE ENTERPRISE PILOTS
    - TECHNOLOGY INSERTION FACILITATION
  - ☐ RESOLVE CROSS-CUTTING TECHNICAL ISSUES, IDENTIFY OPPORTUNITIES,
    MAKE RECOMMENDATIONS
  - □ PROVIDE TECHNICAL CONSULT/EXPERTISE
  - □ ASSIST & VALIDATE COMPLIANCE WITH ENTERPRISE SYSTEM ENGINEERING MASTER PLAN



# FULLY ENGAGED ACROSS SPECTRA OF ACTIVITIES

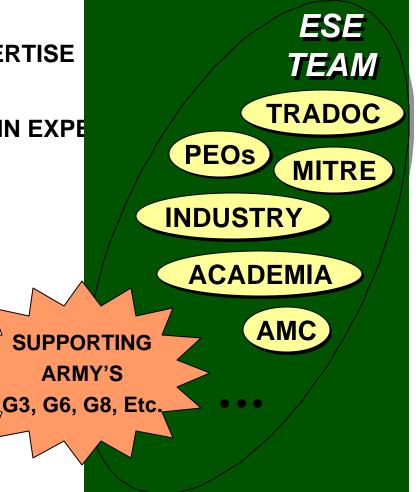


" SYSTEMS ENGINEERING EXPERTISE (ASEO, JTA, Tools, ...)

BROAD RANGE OF C4ISR DOMAIN EXPE (C2, Comm, IEW, FS, AV, MIS, ...)

" TECHNOLOGY EXPERTISE

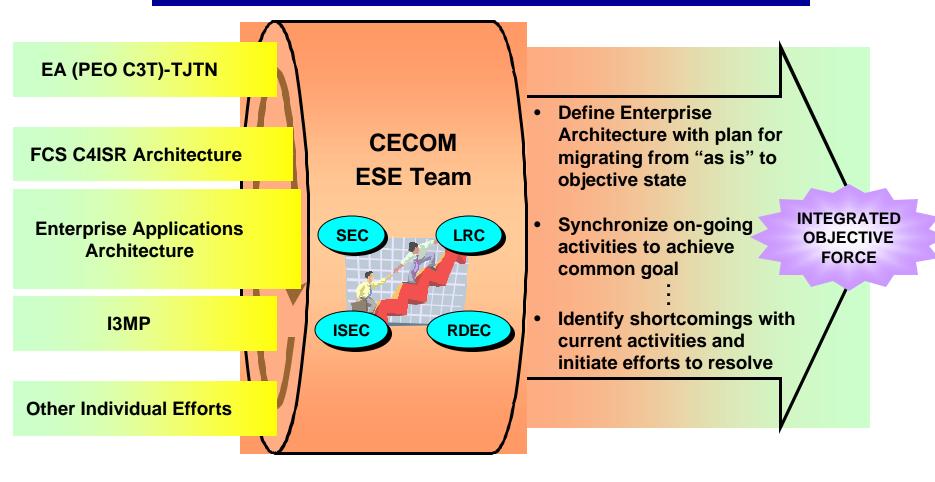
FULL LIFE-CYCLE INVOLVEMENT (R&D, Post Development/Deployment)





## WHAT WE ARE DOING







## WHAT ARE WE DOING



- Executive Agent (PEO C3T) Theater Joint Tactical Network
  - ☐ Ensure Interoperability and synchronization among Service and Agency programs acquiring network components
- FCS C4ISR Architecture
  - ☐ Developed architectural tenets to support Network Centric Warfare
- ENTERPRISE APPLICATIONS ARCHITECTURE
  - ☐ Define framework for developing applications compliant with Enterprise Architecture
- Installation Information Infrastructure Modernization Program (I3MP)
  - ☐ Upgrade the information infrastructure to provide digital connectivity across installations, active support activities and deployed Forces.



# HOW INDUSTRY CAN HELP



THINK ENTERPRISE SOLUTIONS

PROVIDE FEEDBACK. IT IS CRITICAL.

MORE TO COME











